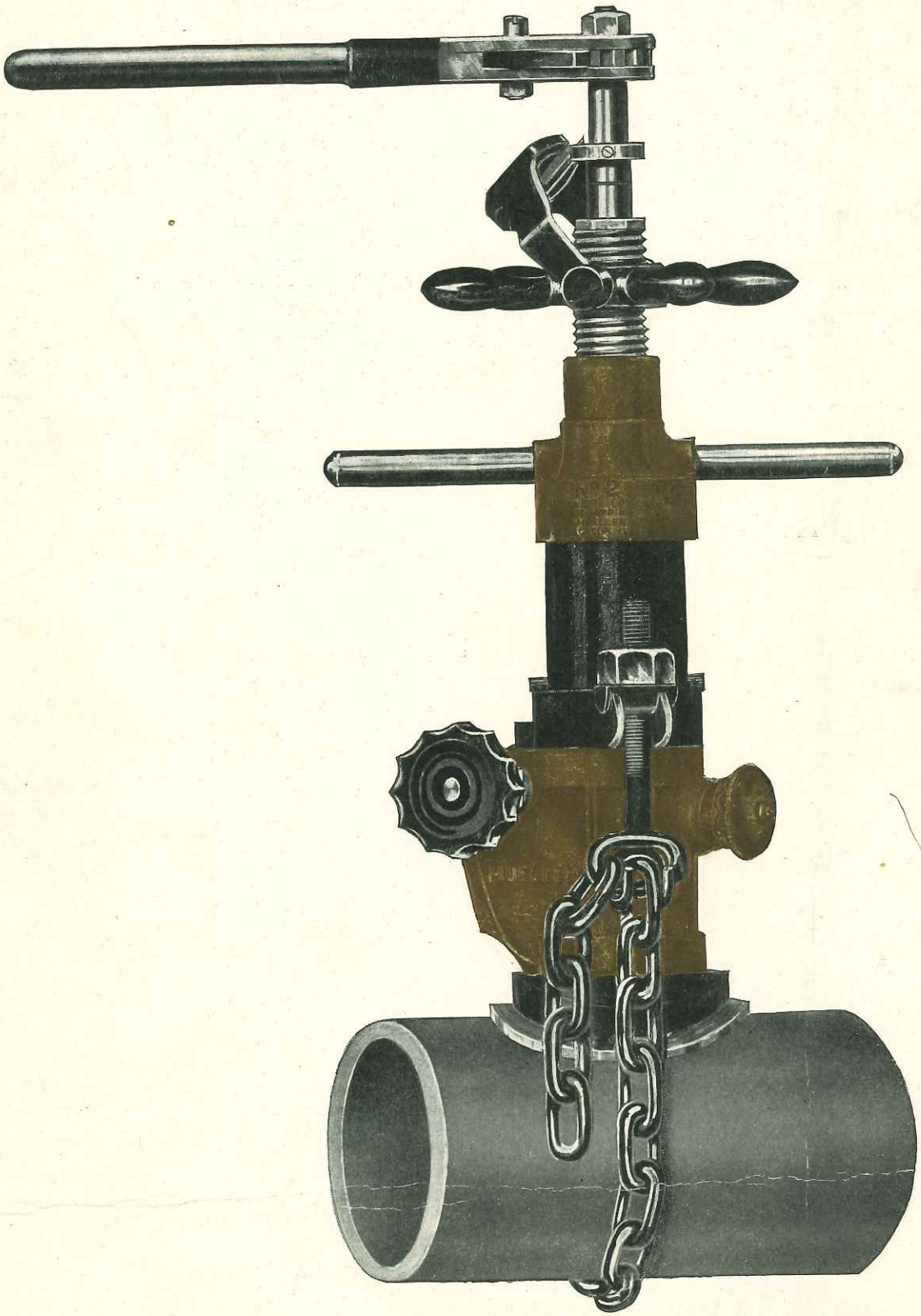
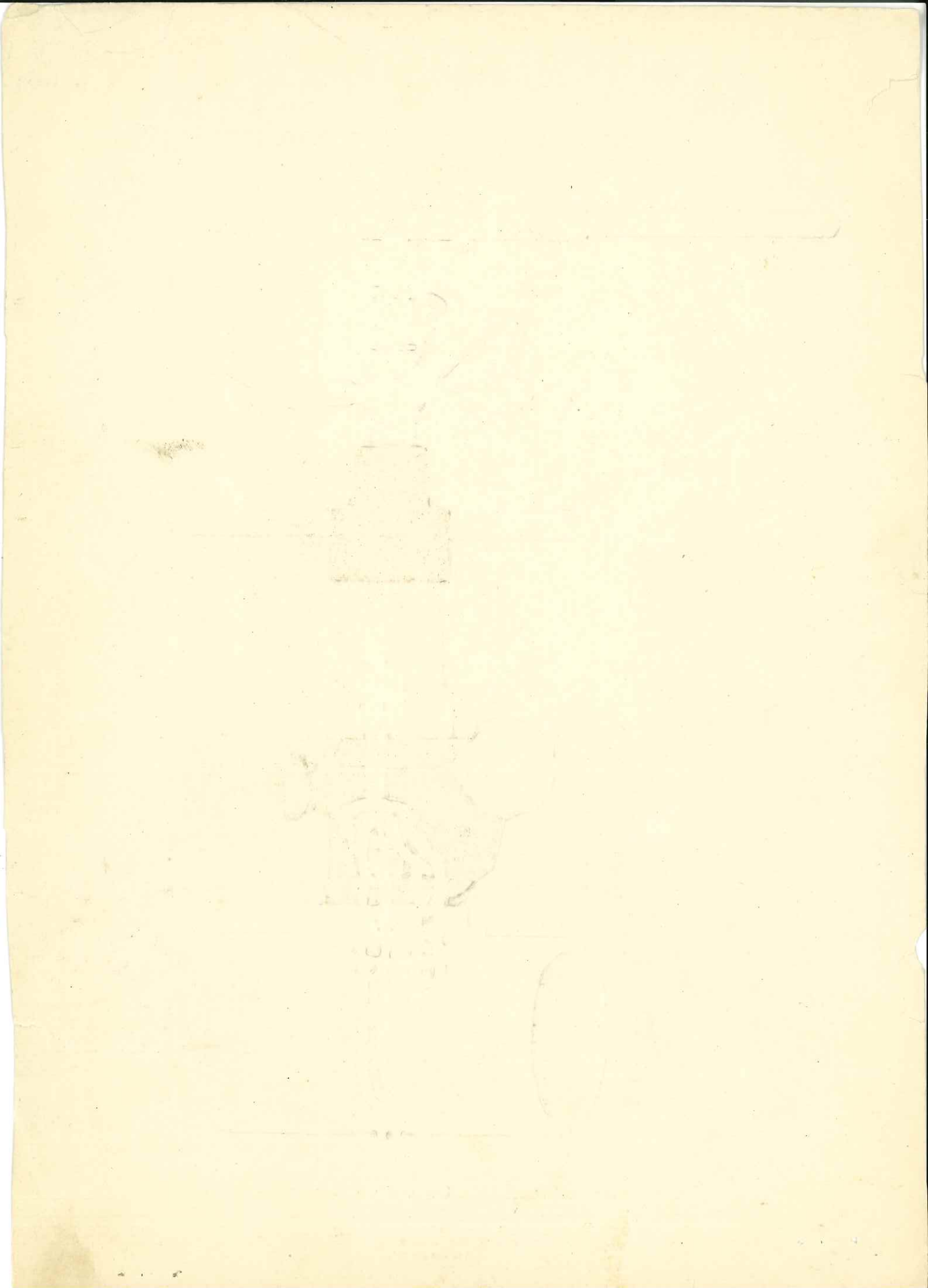
MUELLER WATER TAPPING MACHINES

(PATENTED)



(ILLUSTRATION ONE-FOURTH ACTUAL SIZE)

No. 2 MUELLER ORIGINAL MACHINE



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6

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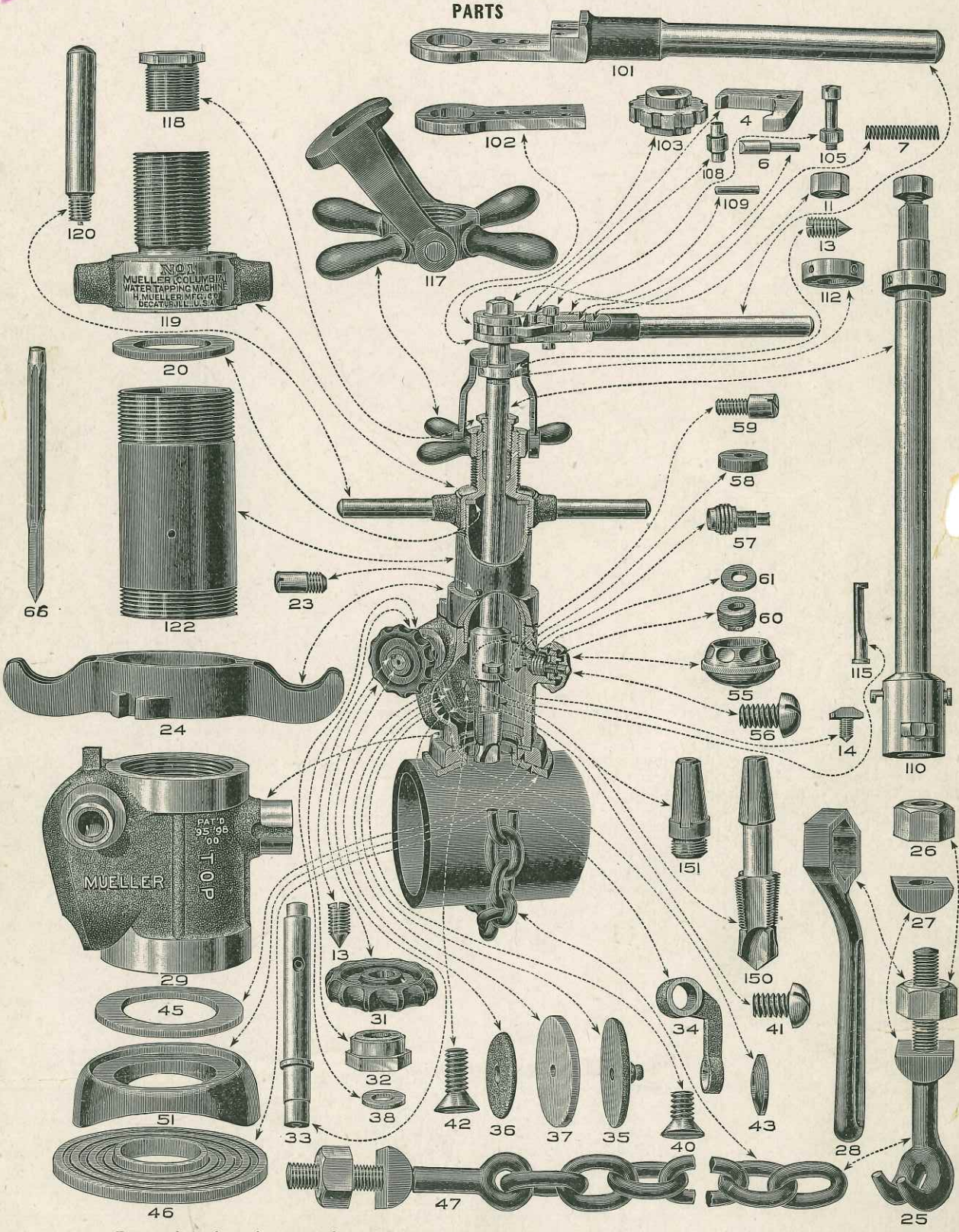
No. 1
Mueller Water Tapping Machine

(Formerly Columbia)

For Tapping Water Mains and Inserting
Corporation Cocks Under Pressure

(Patented)

PARTS



Parts and numbers of parts can be traced from the complete machine in the center of the illustration above.

MUELLER GOODS ARE UNCONDITIONALLY GUARANTEED

No. 1
Mueller Water Tapping Machine

(*Formerly Columbia*)

For Tapping Water Mains and Inserting
Corporation Cocks Under Pressure

(*Patented*)

OPERATION (Continued)

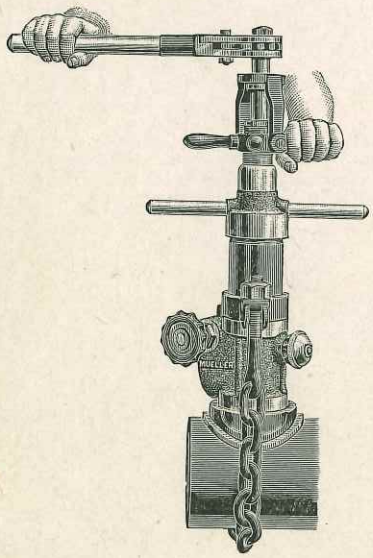


Illustration Shows Method of Drilling and Tapping

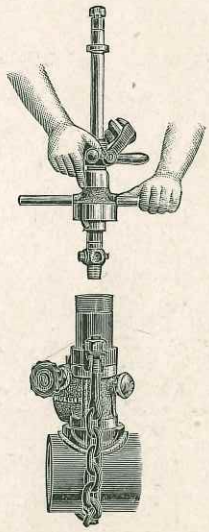


Illustration Shows Method of Inserting Corporation Cock

INSERTING CORPORATION COCK. Push the Brass Cap down on the Boring Bar as far as possible, place the Boring Bar in the Body of the Machine and screw the Brass Cap down tight on the Cylinder. Turn the Hand Knob full to the left to equalize the pressure above and below the Gate; the latter then can be opened by turning the Hand Wheel to the right. Push the Boring Bar down until the end of the cock enters the hole in the pipe. Adjust the Feed Yoke over the Collar and insert the cock by operating the Ratchet Handle and Feed Nut as before.

After the threads of the cock have taken hold in the pipe, which can be determined by continuing to operate the Ratchet Handle without the use of the Feed Nut, the Feed Yoke then will drop off the Collar. Do not screw the cock in too tight as the short end is liable to be spread, making it unfit for use.

RELEASING SCREW PLUG. After the cock has been screwed in tight enough, reverse the Ratchet Handle and give it a quick blow with the hand to release the Screw Plug, then unscrew the Plug by turning the Ratchet Handle.

Raise the Boring Bar and turn the Hand Knob to the right as far as possible to let the water out of the Cylinder. In case the water should continue to come out of the By-pass Relief Valve with force, it shows that the cock did not remain in the pipe; in this case, the Hand Knob should again be turned full to the left, the Boring Bar forced down and the cock screwed tighter into the pipe.

Release the Screw Plug by reversing the Ratchet Handle and giving it a quick blow with the hand, turning it as before. Turn the Hand Knob again to the right and then if the water does not continue to flow around the By-pass Relief Valve, the cock has remained in the pipe and the Machine may be taken off.

TIGHTENING CORPORATION COCK. If a leak should show around the threads of the cock after the Machine has been taken off the pipe, fit a wrench on the flat sides of the cock and screw it tighter into the pipe.

CLEANING VALVE BODY. The Valve Body of the Machine should be cleaned out occasionally in order to keep the iron chips from accumulating in the Valve recess. If allowed to accumulate, the iron chips will rust and become caked, thus preventing a full opening of the Gate Valve. By using the Body Cleaning Chisel all foreign matter can be be removed from the Valve recess.

CLEANING BY-PASS RELIEF VALVE. To remove dirt or chips from the By-pass Relief Valve, remove the Knob Screw, take off the Hand Knob, then unscrew the Seat Nut and Stem and take them out. Then the Valve Port may be cleaned with a piece of wire, after which the Valve may be put together again.

CARE OF MACHINE. The Machine, Tools and Parts should always be placed in their individual compartments in the box when through using, keeping them free from moisture to avoid rusting and to prevent battering of the different parts.